

25-33-20W

15-033-20292

GEOLOGICAL REPORT

ENERGY EXPLORATION, INC.

#1 BENDER

SW SE SECTION 25-33S-20W

COMANCHE COUNTY, KANSAS

BY

GEORGE N. MUELLER

PETROLEUM GEOLOGIST

25-33-20W

GEORGE N. MUELLER
501 Insurance Building
Wichita, Kansas 67202

(316) 262-7181

March 21, 1979

GEOLOGICAL REPORT

Energy Exploration, Inc.
#1 Bender
SW SE Section 25-33S-20W
Comanche County, Kansas

Contractor: Explor Drilling
Rotary Work Commenced: March 9, 1979
Rotary Work Completed: March 20, 1979
Surface Casing: 10 3/4 @ 407'
Drilling time: One foot time 4000' to 5244' T.D.
Samples: Ten foot samples 4000' to 5244' T.D.
Samples were examined from 4000' to T.D., and
drilling was supervised from 4250' to T.D.
Total Depth: 5244'
Elevations: 1868 Kelly Bushing
1866 Derrick Floor
1860 Ground Level

All measurements are from the Kelly Bushing.

FORMATIONS:

Following are the depths and datums of the principal formation tops as determined from the sample analysis and drilling time:

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>
Heebner	4214	-2346
Lansing	4402	-2534
"Swope Lime"	4803	-2935
Base Kansas City	4893	-3025
Marmaton	4934	-3066
Cherokee	5076	-3208
Mississippian	5203	-3335
Total Depth	5244	-3376

25-33-200

Energy Exploration, Inc.
#1 Bender

Page Two

RESERVOIRS AND DRILL STEM TESTS

Lansing Kansas City

"Swope"

4803-28 Limestone, white sub crystalline chalky and streaks tan-brown dense, very rare amount tan and brown oolitic, porous limestone, with no show.

Drill Stem Test No. 1 (Western) 4762-4840

Open 30 minutes - very weak blow, died in 7 minutes.

Shut in 30 minutes.

Open 30 minutes - very weak blow, died in 10 minutes.

Shut in 30 minutes.

Recovered: 10' of drilling mud, no show.

Initial flow pressures 53# - 31#

Initial shut in pressure 42#

Final flow pressures 31# - 31#

Final shut in pressure 31#

Initial Hydrostatic Pressure 2400#

Final Hydrostatic Pressure 2369#

Marmaton and Cherokee

No shows were observed in any zone.

5182-5203 Fresh vitreous white sub opaque chert, part with good vugular porosity. No show or fluorescence. Included gray shales and various brown dense limestones.

Mississippian

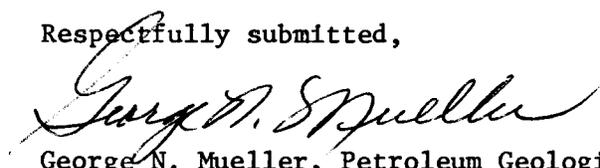
5203-44 Limestone, white sub crystalline chalky, faintly oolitic to oolitic. Included white vitreous opaque chert and tan-brown near lithographic limestone. No visible porosity; no show.

RECOMMENDATIONS:

The #1 Bender was flat on the Lansing and 4' high on the "Swope" zone in relation to the nearest (1/2 mile) west "Swope" producer. However, the "Swope" zone failed to have porosity or permeability, and was tested with negative results.

Having observed no zones with either oil or gas shows, and having penetrated the Mississippian adequately (41'), it was recommended that this test well be plugged and abandoned.

Respectfully submitted,



George N. Mueller, Petroleum Geologist